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Electronic Patent Application Submission

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Application ID: 10828935 

Title of Invention: Bead Bound Combinatorial
Oligonucleoside
Phosphorothioate and
Phosphorodithioate Apramer
Libraries

First Named Inventor: David Gorenstein

Domestic/Foreign Application: Domestic Application

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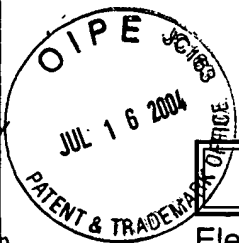
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| Title of Invention | Bead Bound Combinatorial Oligonucleoside Phosphorothioate and Phosphorodithioate Apramer Libraries | | | | | | | | | |
|--|--|----------------|---------------------------|-------------|----------------|---|----------------|------------|--|------------|
| <p>Application Number: 10/828935 </p> <p>Date: 2004-07-16</p> <p>First Named Applicant: Dr. David Gorenstein</p> <p>Confirmation Number: 5115</p> <p>Attorney Docket Number: UTMB:1024</p> | | | | | | | | | | |
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| <table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Edwin Stuart Flores Registered Number: 38453</td><td>/Edwin Flores/</td><td>Attorney</td></tr></tbody></table> | | | Submitted by: | Elec. Sign. | Sign. Capacity | Edwin Stuart Flores Registered Number: 38453 | /Edwin Flores/ | Attorney | | |
| Submitted by: | Elec. Sign. | Sign. Capacity | | | | | | | | |
| Edwin Stuart Flores Registered Number: 38453 | /Edwin Flores/ | Attorney | | | | | | | | |
| <table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>utmb1024ids-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table> | | | Documents being submitted | Files | us-ids | utmb1024ids-usidst.xml | | us-ids.dtd | | us-ids.xsl |
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| | us-ids.xsl | | | | | | | | | |
| Comments | | | | | | | | | | |



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

| Title of Invention | Bead Bound Combinatorial Oligonucleoside Phosphorothioate and Phosphorodithioate Apramer Libraries | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------------|------------|------------|------|-------|----------|----------|------------|------|----------|------|-------|----------|--|---|---------|------------|------------|--|--|--|--|---|---------|------------|---------|--|--|--|--|---|---------|------------|------|--|--|--|--|---|---------|------------|------|--|--|--|--|---|---------|------------|------|--|--|--|--|---|---------|------------|-------|--|--|--|--|---|---------|------------|------|--|--|--|--|---|---------|------------|------|--|--|--|--|---|---------|------------|------|--|--|--|--|----|---------|------------|----------|--|--|--|--|----|---------|------------|--------|--|--|--|--|----|---------|------------|------|--|--|--|--|----|---------|------------|------|--|--|--|--|----|---------|------------|------|--|--|--|
| <p>Application Number: 10/828935 </p> <p>Confirmation Number: 5115</p> <p>First Named Applicant: David Gorenstein</p> <p>Attorney Docket Number: UTMB:1024</p> <p>Art Unit: 1645</p> <p>Search string: (5218088 or 5397698 or 5576302 or 5587361 or 5599797 or 5602000 or 5607923 or 5620963 or 5635488 or 5639873 or 5660985 or 5661134 or 5705337 or 5734041 or 5763595 or 5795721 or 5804445 or 5853984 or 5874219 or 6242246 or 6458543 or 6503715 or 6544776 or 6423493 or 20030162216).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>5218088</td><td>1993-06-08</td><td>Gorenstein</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>5397698</td><td>1995-03-14</td><td>Goodman</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>5576302</td><td>1996-11-19</td><td>Cook</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>5587361</td><td>1996-12-24</td><td>Cook</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>5599797</td><td>1997-02-04</td><td>Cook</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>5602000</td><td>1997-02-11</td><td>Hyman</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>5607923</td><td>1997-03-04</td><td>Cook</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>5620963</td><td>1997-04-15</td><td>Cook</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>5635488</td><td>1997-06-03</td><td>Cook</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>5639873</td><td>1997-06-17</td><td>Barascut</td><td></td><td></td><td></td></tr><tr><td></td><td>11</td><td>5660985</td><td>1997-08-26</td><td>Pieken</td><td></td><td></td><td></td></tr><tr><td></td><td>12</td><td>5661134</td><td>1997-08-26</td><td>Cook</td><td></td><td></td><td></td></tr><tr><td></td><td>13</td><td>5705337</td><td>1998-01-06</td><td>Gold</td><td></td><td></td><td></td></tr><tr><td></td><td>14</td><td>5734041</td><td>1998-03-31</td><td>Just</td><td></td><td></td><td></td></tr></tbody></table> | | | | | | | init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass | | 1 | 5218088 | 1993-06-08 | Gorenstein | | | | | 2 | 5397698 | 1995-03-14 | Goodman | | | | | 3 | 5576302 | 1996-11-19 | Cook | | | | | 4 | 5587361 | 1996-12-24 | Cook | | | | | 5 | 5599797 | 1997-02-04 | Cook | | | | | 6 | 5602000 | 1997-02-11 | Hyman | | | | | 7 | 5607923 | 1997-03-04 | Cook | | | | | 8 | 5620963 | 1997-04-15 | Cook | | | | | 9 | 5635488 | 1997-06-03 | Cook | | | | | 10 | 5639873 | 1997-06-17 | Barascut | | | | | 11 | 5660985 | 1997-08-26 | Pieken | | | | | 12 | 5661134 | 1997-08-26 | Cook | | | | | 13 | 5705337 | 1998-01-06 | Gold | | | | | 14 | 5734041 | 1998-03-31 | Just | | | |
| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 5218088 | 1993-06-08 | Gorenstein | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 5397698 | 1995-03-14 | Goodman | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 4 | 5587361 | 1996-12-24 | Cook | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | 5599797 | 1997-02-04 | Cook | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | 5602000 | 1997-02-11 | Hyman | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | 5607923 | 1997-03-04 | Cook | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | 5620963 | 1997-04-15 | Cook | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | 5635488 | 1997-06-03 | Cook | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | 5639873 | 1997-06-17 | Barascut | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | 5660985 | 1997-08-26 | Pieken | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | 5661134 | 1997-08-26 | Cook | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | 5705337 | 1998-01-06 | Gold | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | 5734041 | 1998-03-31 | Just | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|----|---------|------------|------------|
| | 15 | 5763595 | 1998-06-09 | Gold |
| | 16 | 5795721 | 1998-08-18 | Rabin |
| | 17 | 5804445 | 1998-09-08 | Brasier |
| | 18 | 5853984 | 1998-12-29 | Davis |
| | 19 | 5874219 | 1999-02-23 | Rava |
| | 20 | 6242246 | 2001-06-05 | Gold |
| | 21 | 6458543 | 2002-10-01 | Gold |
| | 22 | 6503715 | 2003-01-07 | Gold |
| | 23 | 6544776 | 2003-04-08 | Gold |
| | 24 | 6423493 | 2002-07-23 | Gorenstein |

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |
|------|----------|-------------|------------|-----------|------|-------|----------|
| | 1 | 20030162216 | 2003-08-28 | Gold | | | |

Signature

| | |
|---------------|------|
| Examiner Name | Date |
| | |